

Work Order ID 67487

Wednesday, March 23, 2011 6:36:29 AM

Page 1

Item ID: D350-604-041

Accept

Revision ID:

Item Name: Rear Locker Extender

Start Date: 3/23/2011 Start Qty: 1.00

Required Date: 4/22/2011 Req'd Qty: 1.00

Reference:

Approvals: Process Plan: CYDate: 11/03/23 Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D2273	D								
D350-604-041	A								
DSI9470	A								

100

0.00



DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D350-604-041 CHG002

8.11.03/03

110

0.00



PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 13705

Description: D350-604-041 Rear locker extender.

Supplier: Delastek.

Certification of Conformity and process sheet from Delastek is required.

4 x 2600-6 Camlock stud - Ship to Delastek B m 116948CY 11/03/23 ①

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 67487

Wednesday, March 23, 2011 6:36:29 AM

Page 3

Item ID: D350-604-041

Accept

Setup Start

Revision ID:

Stop

Item Name: Rear Locker Extender

Start Date: 3/23/2011 Start Qty: 1.00

Cust Item ID:

Required Date: 4/22/2011 Req'd Qty: 1.00

Customer:






Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150  QC Quality Control	QC4- 100% Inspect kits for completeness Memo	0.00 0.00							
160  Packaging Packaging	Packaging Memo Identify and pack for shipping as per PPP D350-604-041 Location: _____ PPP Rev: 	0.00 0.00							
170  QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.00							

11/5/3SP

11/5/3SP

MF
11-05-03

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Wednesday, March 23, 2011 6:36:26 AM

Page 1

Work Order ID: 67487

Parent Item: D350-604-041

Parent Item Name: Rear Locker Extender

Start Date: 3/23/2011


Required Date: 4/22/2011

Start Qty: 1.00


Required Qty: 1.00


Comments: IPP Rev: Q03.12.01 Reformat KJ/RF

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------


2600-6  Camlock Stud		Purchased	No			110	Each	148.0000	4	4			
---	--	-----------	----	--	--	-----	------	----------	---	---	--	--	--

Location	Loc Qty	Loc Code
ST380	148	
114238	4	
115814	1	
116948	43	
117016	100	

D350-604-041P  Rear Locker Extender		Purchased	No			120	Each	0.0000	1	1			
--	--	-----------	----	--	--	-----	------	--------	---	---	--	--	--

D2268  Decal		Manufactured	No			140	Each	19.0000	1	1			
--	--	--------------	----	--	--	-----	------	---------	---	---	--	--	--

Location	Loc Qty	Loc Code
ST010	19	
60213	1	
67420	18	

D2269  Decal		Manufactured	No			140	Each	27.0000	1	1			
---	--	--------------	----	--	--	-----	------	---------	---	---	--	--	--

Location	Loc Qty	Loc Code
ST010	27	
64437	7	
67421	20	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-604 REV. B

REF TCCA STC: SH90-4

REF FAA STC: SR00463NY

PURPOSE:

The 2600-4 Camloc Studs may be too short for some installations.

CHANGE:

The qty (4) 2600-4 Camloc Studs are replaced with longer 2600-6 Camloc Studs. It is acceptable to install either 2600-4 or 2600-6 Camloc Studs. The parts list of D350-604 Rev. B is amended as follows:

QTY	PART NUMBER	DESCRIPTION
-041		
X	D350-604-041	REAR CARGO COMPARTMENT EXTENDER ASS'Y

IS:

4	2600-6	CAMLOC STUD
---	--------	-------------

WAS:

4	2600-4	CAMLOC STUD
---	--------	-------------

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WORK ORDER
NO. 67487
C21103/23

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

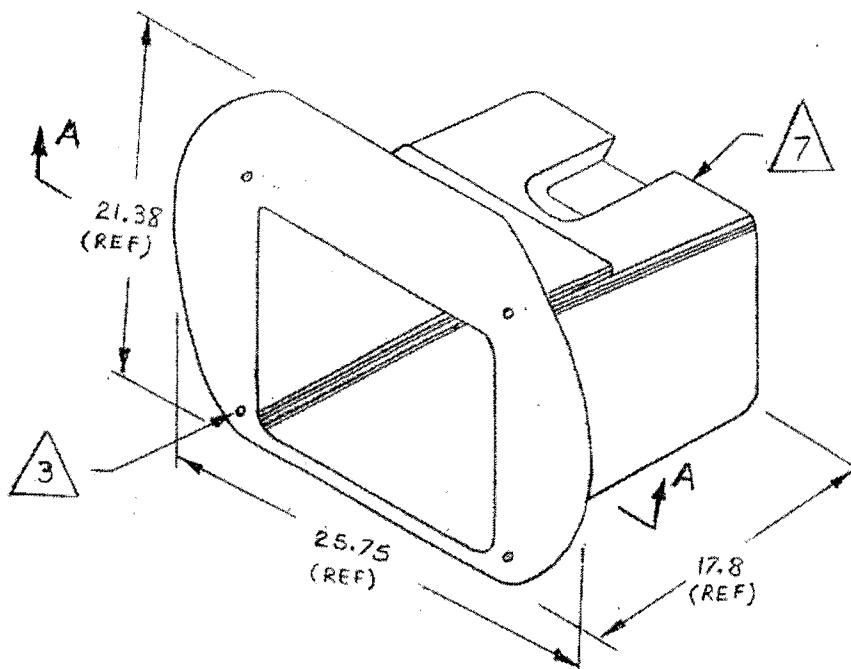
DATE: 09.07.01
CERT. NO.: SH90-4
ISSUE NO.: 3

A	NEW ISSUE, NCR 09-046	CP	09.07.01
REV.	DESCRIPTION	BY	DATE
DESIGN	92	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	99		
CHECKED	5	DRAWING NO.	REV. A
MFG. APPR.	VIA	DSI 9470	SHEET 1 OF 1
APPROVED	WJD	TITLE	SCALE
DE APPR.	11	CAMLOC CHANGE	NTS
DATE	09.07.01	COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



DESIGN	JB	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECKED		APPROVED	DRAWING NO. D2273 REV. 0 SHEET 1 OF 1
DATE	02.04.01	TITLE	350 REAR LOCKER EXTENDER SCALE NTS
B	96.05.27	RE-DRAWN	
C	02.01.30	CLARIFY MATERIAL, LAYUP, AND TOOLING	
D	02.04.01	REMOVE EPOCAST, ADD SURFACE FINISH	

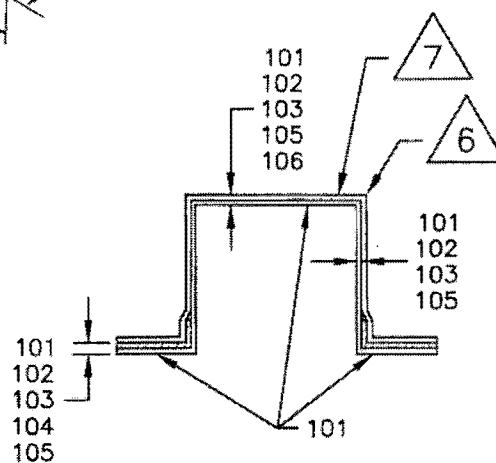
RELEASED
02.04.03



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WORK ORDER
NO. 67487

NOTES:

- 1) LAMINATE PER DART QSI 006. LAMINATION SCHEDULE PER THIS DRAWING.
- 2) LAYUP USING DT8010 MOLD. WET LAYUP NO BAG/VACUUM.
- 3) TRIM & DRILL PER DT8020. OPEN HOLES TO Ø0.257 (4 PLACES).
- 4) MATERIALS:
RESIN: DERAKANE 470-36/411/510A40
FIBRE: 9oz = 9.7 oz 7781 WEAVE "S" GLASS
18oz = 18.0 oz ROVING "E" GLASS.
- 5) CONSTRUCTION:
101-WHITE GLOSS GELCOAT # GEL 944W005.
102-9oz ALL OVER.
103-18oz ALL OVER.
104-18oz RE-INFORCE FRONT FLANGE EXTENDING 2" ON SIDES.
105-9oz ALL OVER.
106-PEEL PLY.
- 6) MATTE TO HOLD DOWN CORNERS AS REQUIRED.
- 7) FINISH THIS SURFACE WITH DUPONT HIGHBUILD GREY PRIMER 1144-S.
- 8) ALL DIMENSIONS ARE IN INCHES.



SECTION A-A

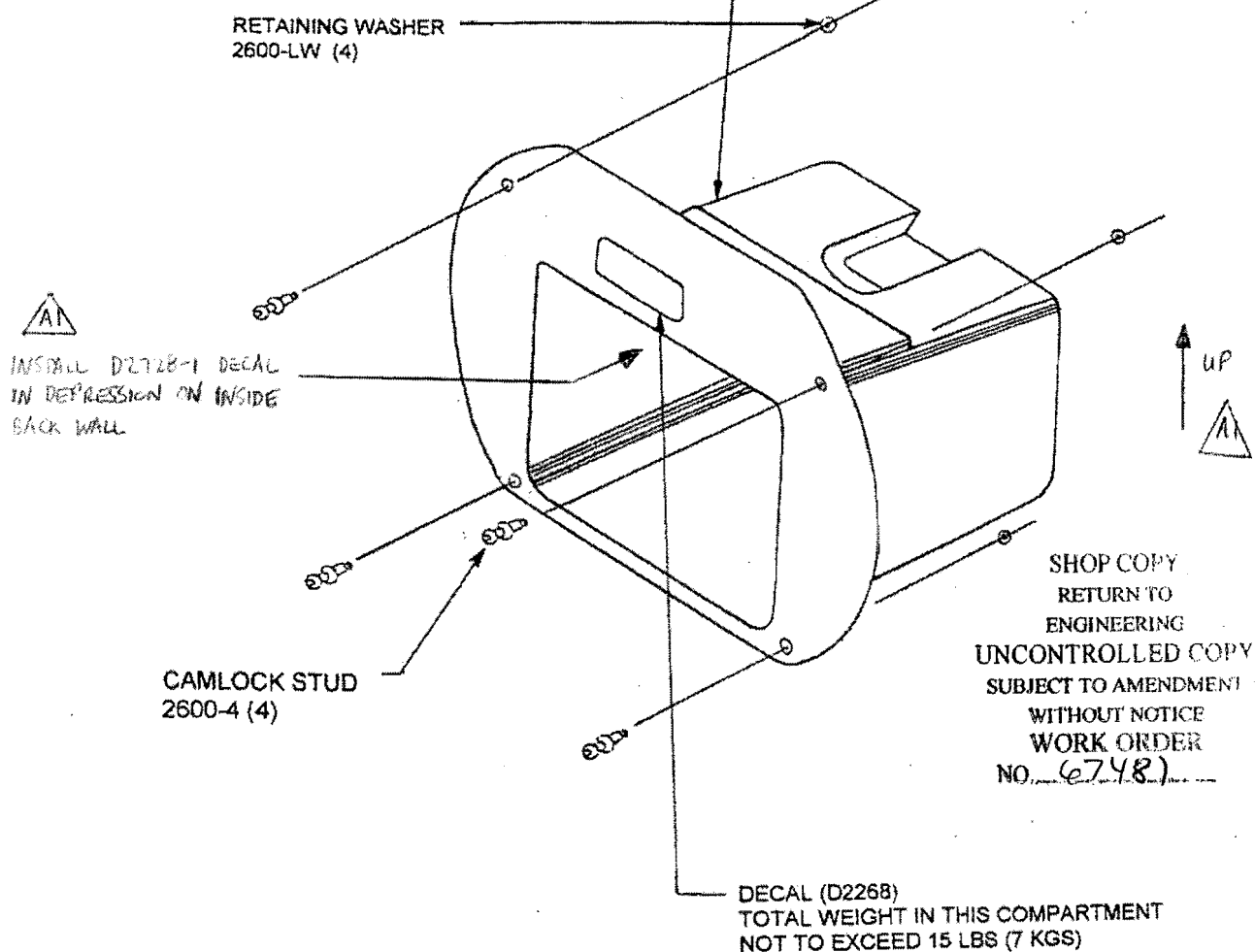
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DESIGN BW	DRAWN BY UP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED S	DRAWING NO. D350-604-041	REV. A SHEET 1 OF 1
DATE 02.04.01		TITLE REAR LOCKER EXTENDER ASSEMBLY	SCALE NTS
A	02.04.01	NEW ISSUE	
AI	# RF 02 04 23	ADD D2728-1 DECAL + ORIENTATION NOTE REAR LOCKER EXTENDER (D2273)	

RELEASED
02.04.03



D350-604-041 REAR LOCKER EXTENDER

NOTE: DECALS TO BE ORIENTED TO MATCH 'UP' ORIENTATION OF RLE



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Delastek inc.
2699 5e avenue
Local 14, Porte -A-
Grand-Mère, Québec G9T 5K7
Can ** Fax (819) 533-3494 **

PACKING SLIP CERTIFICATE OF COMPLIANCE

Invoice #	38220*
Customer #	DART US

Telephone: (819) 533-5788

Warehouse: MAIN

Bill to:

DART AEROSPACE LTD
1270, Aberdeen Street
Hawksbury, Ontario K6A 1K7
Canada

Ship to:

DART AEROSPACE LTD
1270, Aberdeen Street
Hawksbury, Ontario K6A 1K7
Canada

Telephone: 613-632-5200

Contact: Linda Lacelle

Ship via		F.O.B.		Terms		Salesperson	
Fedex Ground Collect		Origin		Net 30 days USA		Claude Lessard, ext. 233	
Ship date	Order Date	Our PO #	Order by		Your PO #	GST/PST #	
28/04/2011	23/03/2011	17120	Chantal Lavoie		PO13705		
Order Qty	B.O. Qty	Current Ship.	Item #	Item Description			
1	0	1	DKC134-0003	Line 1 Rear Locker Extender D350-604-041P B67487 U de M : Each Référence DKA362-0004 DWG: D350-604-041 REV. A1 D2273 REV. D <u>No. série</u> <u>No. lot</u> B67487 32269			
1	0	1	DKC134-0003	Line 2 Rear Locker Extender D350-604-041P B67488 U de M : Each Référence DKA362-0004 DWG: D350-604-041 REV. A1 D2273 REV. D <u>No. série</u> <u>No. lot</u> B67488 32270			
1	0	1	DKC134-0003	Line 3 Rear Locker Extender D350-604-041P B67490 U de M : Each Référence DKA362-0004 DWG: D350-604-041 REV. A1 D2273 REV. D <u>No. série</u> <u>No. lot</u> B67490 32271			

It is hereby certified that all materials, process and finished items were controlled and tested in accordance with the requirements of the purchase order and applicable specifications. All such records are on file at our plant and available for review upon request.

Continued on next page

☐ Cust. ☐ Adm. ☐ Quality ☐ Ship.

Accepted by:

Jan Kreier
Quality department AQ-357





Date: Lundi, 2011-03-21 07:43:13
Utilisateur: Pascal Carignan

Feuille de Procédé

Client	: DART US DART AEROSPACE LTD	Nom Dessin	: REAR LOCKER EXTENDER
Numéro Job	: 32269	Numéro Article	: DKC134-0003
Numéro Soumission	: 3482	Numéro Dessin	: D350-604-041 & D2273
Numéro B.A.	:	Projet Numéro	: DK-362
Cette fois	: 2011-03-21 No. B.V. :	Révision dessin	: A & D
Prsht Rev.	: NC	Matériel	: Derakane 470-36/411/510
Prem. fois	: - - - Type :	Date Dûe	: 2011-03-28 Qté: 1 Udm: UNITE
Job précédente	: 32268		
Écrit par	: _____		
Vérifié & Approuvé par	: _____		
Commentaires	: N° de pièce Laminée Dart Aerospace: D2273 : N° de pièce Assemblage Dart Aerospace: D350-604-041		

**B 67487**

Process Sheet Rév.: 02 Ajouter détails dans la seq. Identification.

Produit additionnel

Numéro Job:



Séq.: Machine ou Opération: Description :

1.0 PRÉPARATION Préparation du moule



Commentaire Setup: 0.00Hrs/ Run: 15.0000Min Total Run : 0.2500Hrs

Faire la préparation du moule DKO-0250 selon IG 0009.

Date: _____ Sceau: _____

2.0 AMB0350 Gel Coat Blanc N° Gel 944W005

Commentaire Qty.: 1.580 UNITE(s)/Unit Total : 1.580 UNITE(s)

Gel Coat Blanc N° Gel 944W005 N° de Lot: 1-30393-1

3.0 AMB0286 Catalyst N° DDM-9

Commentaire Qty.: 0.0070 GALLON(s)/Unit Total : 0.0070 GALLON(s)

Catalyst N° DDM-9 N° de Lot: 1-27879-1

4.0 AC0747 Acetone

Commentaire Qty.: 0.200 KILOGRAMME(s)/Unit Total : 0.200 KILOGRAMME(s)

5.0 PREP-GENERAL Préparation du matériel



Commentaire Setup: 0.00Hrs/ Run: 45.0000Min Total Run : 0.7500Hrs

Tailler le matériel selon les dimensions requises à l'aide de gabarit de trimage prévus à cet effet.

Date: 30-3-11 Sceau:



Date: Lundi, 2011-03-21 07:43:13

Utilisateur: Pascal Carignan

Feuille de Procédé

Client: DART US DART AEROSPACE LTD

Nom Dessin: REAR LOCKER EXTENDER

Numéro Job: 32269

Numéro Article: DKC134-0003

Numéro Job:



Séq.:

Machine ou Opération:

Description :

6.0

PREP-GENERAL

Préparation du matériel



Commentair Setup: 0.00Hrs/ Run: 30.0000Min Total Run : 0.5000Hrs

Faire la préparation du matériel selon IF134-0003 :

Dans une quantité de Gel Coat N° 944W005 ajouter 2% de Catalyst N° DDM-9 et diluer à l'aide de 10% d'acétone.

Date: 4-4-11 Sceau:



7.0

GEL COAT

Application du Gel Coat



Commentair Setup: 0.00Hrs/ Run: 20.0000Min Total Run : 0.3333Hrs

Appliquer le gel coat selon IF 134-0003(réf. IG0019).

Note: Le gel coat ne doit contenir aucun "airdry" ni aucune cire. Et le temp de séchage est important afin d'éviter d'avoir des défauts de surface, et afin d'éviter que le tissu ne vienne marquer au travers du Gel Coat ainsi que d'éviter d'avoir un rétrécissement.

Quantité: 1 Date: 4-4-11 Sceau:



8.0 AMB0212

Résine (411B7530) 411-350 promo. 75min.

Commentair Qty.: 1.680 LITRE(s)/Unit Total : 1.680 LITRE(s)

Résine (411B7530) 411-350 promo. 75min

N° de Lot: 1-30286-1

9.0 AMB0286

Catalyst N° DDM-9

Commentair Qty.: 0.0070 GALLON(s)/Unit Total : 0.0070 GALLON(s)

Catalyst N° DDM-9

N° de Lot: 1-27829-1

10.0 AMB0214

9.7 oz Weave "S" glass #FG-778150-125Y Volan Finish

Commentair Qty.: 4.6 VERGE(s)/Unit Total : 4.6 VERGE(s)

9.7 oz Weave "S" glass #FG-778150-125Y Volan Finish

N° de Lot: 1-30234-1

11.0 AMB0213

WR1850 Roving 18oz. x 50"

Commentair Qty.: 1.140 KILOGRAMME(s)/Unit Total : 1.140 KILOGRAMME(s)

WR1850 Roving 18oz. x 50"

N° de Lot: 1-28778-1

12.0 LAMINAGE

Faire le laminage



Commentair Setup: 0.00Hrs/ Run: 3.5000Hrs Total Run : 3.5000Hrs

Selon IF 134-0003. S'assurer de ne pas trapper d'air entre les rangs.

Inscrire les informations suivantes:

Humidité: 21% Température: 71°F Heure: 1:25

Date: Lundi, 2011-03-21 07:43:13

Utilisateur: Pascal Carignan

Feuille de Procédé

Client: DART US DART AEROSPACE LTD

Nom Dessin: REAR LOCKER EXTENDER

Numéro Job: 32269

Numéro Article: DKC134-0003

Numéro Job:



Séq.:

Machine ou Opération:

Description :

Quantité: 1 Date: 4-4-11 Sceau:



13.0 AMB0212

Résine (411B7530) 411-350 promo. 75min.

Commentair Qty.: -0.150 LITRE(s)/Unit Total: 0.150 LITRE(s)

Résine (411B7530) 411-350 promo. 75min

N° de Lot: 1-30549-1

14.0 AMB0286

Catalyst N° DDM-9

Commentair Qty.: 0.0070 GALLON(s)/Unit Total: 0.0070 GALLON(s)

Catalyst N° DDM-9

N° de Lot: 1-27829-1

15.0

FINITION

Finition Générale



Commentair Setup: 0.00Hrs/ Run: 30.0000Min Total Run : 0.5000Hrs

Injecter les bulles d'air selon IF134-0003 si applicable.

Quantité: 1 Date: 6-4-11 Sceau:



16.0

DÉMOULAGE

Démoulage de la pièce



Commentair Setup: 0.00Hrs/ Run: 10.0000Min Total Run : 0.1667Hrs

Faire le démoulage de la pièce selon IF134-0003 en poussant de l'air à l'intérieur tout en faisant bien attention de ne pas l'endommager.

Quantité: 1 Date: 5-4-11 Sceau:



17.0

TRIMAGE

Trimage



Commentair Setup: 0.00Hrs/ Run: 40.0000Min Total Run : 0.6667Hrs

Selon IF 134-0002.

Faire le sablage si nécessaire.

Quantité: 1 Date: 13-4-11 Sceau:



18.0

AAC1021

Dupont Primer N° 7704S

Commentair Qty.: 0.3400 UNITE(s)/Unit Total: 0.3400 UNITE(s)

Dupont Primer N° 7704S

N° de Lot: 1-29624-2

Date: Lundi, 2011-03-21 07:43:13

Utilisateur: Pascal Carignan

Feuille de Procédé

Client: DART US DART AEROSPACE LTD

Nom Dessin: REAR LOCKER EXTENDER

Numéro Job: 32269

Numéro Article: DKC134-0003

Numéro Job:



Séq.: Machine ou Opération: Description :

19.0 AAC1101 N° 7775S, Dupont Activator - Reducer Chromabase

Commentair Qty.: 0.0670 UNITE(s)/Unit Total: 0.0670 UNITE(s)

N° 7775S, Dupont Activator - Reducer Chromabase N° de Lot: 1-29177-3

20.0 PRIMER Application primer



Commentair Setup: 0.00Hrs/ Run: 15.0000Min Total Run : 0.2500Hrs

Appliquer le primer selon IG 0008.

Quantité: 1 Date: 19 avril 11 Sceau: 35 N° fiche de Mélange: N/A

21.0 AAC1607 Camlock Stud 2600-4 (or Monadnock 1126000-4)

Commentair Qty.: 4 UNITE(s)/Unit Total: 4 UNITE(s)

Camlock Stud 2600-4 (or Monadnock 1126000-4) N° de Lot: 1-30450-1

22.0 AAC0682 Washer 2600-LW (1127700)

Commentair Qty.: 4 UNITE(s)/Unit Total: 4 UNITE(s)

Washer 2600-LW (1127700) N° de Lot: 1-6687-1

23.0 ASSEMBLAGE Assemblage mécanique



Commentair Setup: 0.00Hrs/ Run: 15.0000Min Total Run : 0.2500Hrs

Faire l'assemblage selon IF134-0004.

Démasquer la pièce.

Assembler les "Studs" selon IG 0037.

Quantité: 1 Date: 20/04/11 Sceau: 65

24.0 IDENTIFICATION Identification à encre indélébile



Commentair Setup: 0.00Hrs/ Run: 10.0000Min Total Run : 0.1667Hrs

Faire l'identification de la pièce selon IF134-0005.

N° de pièce Cleint: D350-604-041

N° de Job: 32269

N° de Fabrication: 21/04/11

Quantité: 1 Date: 21/04/11 Sceau: 14

Date: Lundi, 2011-03-21 07:43:13
Utilisateur: Pascal Carignan

Feuille de Procédé

Client: DART US DART AEROSPACE LTD
Numéro Job: 32269

Nom Dessin: REAR LOCKER EXTENDER
Numéro Article: DKC134-0003

Numéro Job:



# Séq.:	Machine ou Opération:	Description :
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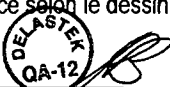
25.0	INSPEC FINAL	Inspection finale
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Commentair Setup: 0.00Hrs/ Run: 10.0000Min Total Run : 0.1667Hrs

Faire l'inspection dimensionnelle et visuelle de la pièce selon le dessin.

Quantité: 1 Date: 22-04-11 Sceau:



26.0	EMBALLAGE	Emballage & Entreposage
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Commentair Setup: 0.00Hrs/ Run: 10.0000Min Total Run : 0.1667Hrs

Faire l'emballage selon IG 0057.

Quantité: 1 Date: 22 avril 11 Sceau:



fab 21 avril 11
Job 32269

